

<110> Ni et al.

<120> Human Serpin Polynucleotides, Polypeptides, and Antibodies

<130> PT001P2

<140> Unassigned

<141> 2001-07-26

<150> PCT/US01/02484

<151> 2001-01-26

<150> 60/178,769

<151> 2000-01-28

<150> PCT/US00/05082

<151> 2000-02-29

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<170> PatentIn Ver. 2.0

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Cys Ala Pro Ile Tyr Cys Val Ser Pro Ala Asn Ala Pro Ser Ala Tyr  
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Pro Arg Pro Ser Ser Thr Lys Ser Thr Pro Ala Ser Gln Val Tyr Ser  
    50                      55              60  
  
Leu Asn Thr Asp Phe Ala Phe Arg Leu Tyr Arg Arg Leu Val Leu Glu  
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Thr Pro Ser Gln Asn Ile Phe Phe Ser Pro Val Ser Val Ser Thr Ser  
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Leu Ala Met Leu Ser Leu Gly Ala His Ser Val Thr Lys Thr Gln Ile  
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 Gln Leu Gln Ala Asn Phe Leu Gly Asn Val Lys Arg Leu Tyr Glu Ala
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 Glu Val Phe Ser Thr Asp Phe Ser Asn Pro Ser Ile Ala Gln Ala Arg
 180 185 190
 Ile Asn Ser His Val Lys Lys Lys Thr Gln Gly Lys Val Val Asp Ile
 195 200 205
 Ile Gln Gly Leu Asp Leu Leu Thr Ala Met Val Leu Val Asn His Ile
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 Phe Phe Lys Ala Lys Trp Glu Lys Pro Phe His Pro Glu Tyr Thr Arg
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 Lys Asn Phe Pro Phe Leu Val Gly Glu Gln Val Thr Val His Val Pro
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 Met Met His Gln Lys Glu Gln Phe Ala Phe Gly Val Asp Thr Glu Leu
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 Asn Cys Phe Val Leu Gln Met Asp Tyr Lys Gly Asp Ala Val Ala Phe
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 Phe Val Leu Pro Ser Lys Gly Lys Met Arg Gln Leu Glu Gln Ala Leu
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 Ser Ala Arg Thr Leu Arg Lys Trp Ser His Ser Leu Gln Lys Arg Trp
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 Ile Glu Val Phe Ile Pro Arg Phe Ser Ile Ser Ala Ser Tyr Asn Leu
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 Thr Ala Ala Thr Thr Thr Lys Phe Ile Val Arg Ser Lys Asp Gly Pro
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35 40 45

Ser Lys Arg Tyr Phe Asp Thr Glu Cys Val Pro Met Asn Phe Arg Asn
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Ala Ser Gln Ala Lys Arg Leu Met Asn His Tyr Ile Asn Lys Glu Thr
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Arg Gly Lys Ile Pro Lys Leu Phe Asp Glu Ile Asn Pro Glu Thr Lys
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Leu Ile Leu Val Asp Tyr Ile Leu Phe Lys Gly Lys Trp Leu Thr Pro
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Phe Asp Pro Val Phe Thr Glu Val Asp Thr Phe His Leu Asp Lys Tyr
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Lys Thr Ile Lys Val Pro Met Met Tyr Ser Ala Gly Lys Phe Ala Ser
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Thr Phe Asp Lys Asn Phe Arg Cys His Val Leu Lys Leu Pro Tyr Gln
145 150 155 160

Gly Asn Ala Thr Met Leu Val Val Leu Met Glu Lys Met Gly Asp His
165 170 175

Leu Ala Leu Glu Asp Tyr Leu Thr Thr Asp Leu Val Glu Thr Trp Leu
180 185 190

Arg Asn Met Lys Thr Arg Asn Met Glu Val Phe Phe Pro Lys Phe Lys
195 200 205

Leu Asp Gln Lys Tyr Glu Met His Glu Leu Leu Arg Gln Met Gly Ile
210 215 220

Arg Arg Ile Phe Ser Pro Phe Ala Asp Leu Ser Glu Leu Ser Ala Thr
225 230 235 240

Gly Arg Asn Leu Gln Val Ser Arg Val Leu Gln Arg Thr Val Ile Glu
245 250 255

Val Asp Glu Arg Gly Thr Glu Ala Val Ala Gly Ile Leu Ser Glu Ile
260 265 270

Thr Ala Tyr Ser Met Pro Pro Val Ile Lys Val Asp Arg Pro Phe His
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<223> Xaa equals any of the naturally occurring L-amino acids

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35 40 45

Ser Ile Ser Ser Ala Leu Ala Met Val Phe Met Gly Ala Lys Gly Asn
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Thr Ala Ala Gln Met Ser Gln Ala Leu Cys Phe Ser Lys Ile Gly Gly
65 70 75 80

Glu Asp Gly Asp Ile His Arg Gly Phe Gln Ser Leu Leu Val Ala Ile
85 90 95

Asn Arg Thr Asp Thr Glu Tyr Val Leu Arg Thr Ala Asn Gly Leu Phe
100 105 110

Gly Glu Lys Ser Tyr Asp Phe Leu Thr Gly Phe Thr Asp Ser Cys Gly
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Lys Phe Tyr Gln Ala Thr Ile Lys Gln Leu Asp Phe Val Asn Asp Thr
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Glu Lys Ser Thr Thr Arg Val Asn Ser Trp Val Ala Asp Lys Thr Lys
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Ala Trp Lys Ile Ile Gln Thr Ser Leu Ser His Leu Glu Glu Pro Gly

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Xaa Met Ser Ile Ser Ser Ala Leu Ala Met Val Phe Met Gly Ala Lys
 35 40 45

Gly Asn Thr Ala Ala Gln Met Ser Gln Ala Leu Cys Phe Ser Lys Ile
 50 55 60

Gly Gly Glu Asp Gly Asp Ile His Arg Gly Phe Gln Ser Leu Leu Val
 65 70 75 80

Ala Ile Asn Arg Thr Asp Thr Glu Tyr Val Leu Arg Thr Ala Asn Gly
 85 90 95

Leu Phe Gly Glu Lys Ser Tyr Asp Phe Leu Thr Gly Phe Thr Asp Ser
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Cys Gly Lys Phe Tyr Gln Ala Thr Ile Lys Gln Leu Asp Phe Val Asn
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Asp Thr Glu Lys Ser Thr Thr Arg Val Asn Ser Trp Val Ala Asp Lys

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Thr Lys Ala Trp Lys Ile Ile Gln Thr Ser Leu Ser His Leu Glu Glu
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Pro Gly Ile Ala Ser Ser Ser Cys Tyr Cys Lys Ala Cys Leu Ser Gln
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Pro Leu Leu Val His Ser Ile Pro Lys Cys Asn Ser Pro Val Thr Pro
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His Gly Met Trp Xaa Pro Pro Ser Leu
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Lys Lys Leu Gly Glu Asn Asn Ser Asn Asn Leu Phe Phe Ser Pro Xaa
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Xaa Met Ser Ile Ser Ser Ala Leu Ala
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<210> 10
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Gly Phe Gln Ser Leu Leu Val
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<212> DNA

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<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

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Lys Lys Leu Gly Glu Asn Asn Ser Asn Asn Leu Phe Phe Ser Xaa Xaa
20 25 30

Xaa Pro Met Ser Ile Ser Ser Ala Leu Ala Met Val Phe Met Gly Ala
35 40 45

Lys Gly Asn Thr Ala Ala Gln Met Ser Gln Ala Leu Cys Phe Ser Lys
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 Val Ala Ile Asn Arg Thr Asp Thr Glu Tyr Val Leu Arg Thr Ala Asn
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 Ser Cys Gly Lys Phe Tyr Gln Ala Thr Ile Lys Gln Leu Asp Phe Val
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 130 135 140
 Lys Thr Lys Ala Trp Lys Ile Ile Gln Thr Ser Leu Ser His Leu Glu
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 Glu Pro Gly Ile Ala Ser Ser Ser Cys Tyr Cys Lys Ala Cys Leu Ser
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 Gln Pro Leu Leu Val His Ser Ile Pro Lys Cys Asn Ser Pro Val Thr
 180 185 190
 Pro His Gly Met Trp Xaa Pro Pro Ser Leu
 195 200

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